Index of Claims

Application/Control No.

10/717,557

Examiner

Kiesha L. Rose

Applicant(s)/Patent under Reexamination

TAMURA ET AL.

**Art Unit** 

2822

| 1   | Rejected |
|-----|----------|
| 1_1 | Allowed  |

(Through numeral) Cancelled Restricted

Non-Elected N ı Interference

**Appeal** Α 0 Objected

| Cla       | aim      | Date           |              |          |         |         |   |          |          |                 |     | , 15°      | Cla      | im       | Γ_                 | Date          |          |          |          |          |          |              |          | [                 | Cla   | aim      | Date     |          |          |            |          |                 |          |          |          |
|-----------|----------|----------------|--------------|----------|---------|---------|---|----------|----------|-----------------|-----|------------|----------|----------|--------------------|---------------|----------|----------|----------|----------|----------|--------------|----------|-------------------|-------|----------|----------|----------|----------|------------|----------|-----------------|----------|----------|----------|
|           |          |                |              |          |         |         |   |          |          |                 | - 2 |            |          | П        | Т                  |               | Ť        | Ī        | Т        | Т        | $\neg$   | ᅱ            |          |                   |       |          |          |          |          |            |          |                 |          | $\dashv$ |          |
| Final     | Original | 4/14/05        |              |          |         |         |   |          |          |                 |     | 1,1        | Final    | Original |                    |               |          |          | i        |          |          |              |          |                   | Final | Original |          |          |          |            |          |                 |          |          |          |
|           | 1        | +              | <u> </u>     | ╀        | +       | +       | + | 4        |          | $\dashv$        |     |            |          | 51       |                    | 4             | $\dashv$ | -        |          | -        | 4        | _            | 4        |                   |       | 101      | $\dashv$ |          |          |            | $\dashv$ | _               | $\dashv$ | $\dashv$ | $\dashv$ |
|           | 2        | 1              | ╁            | ╁        | +       | +       | + | $\dashv$ | -        | $\vdash$        |     |            |          | 52       | $\vdash$           | _             | $\dashv$ | $\dashv$ | -        | +        | ┪        | -+           | ᅱ        | ŀ                 |       | 102      | $\dashv$ |          |          | -          | $\dashv$ | ᅱ               | -        | ┪        | $\dashv$ |
|           | 3        | H              | -            | ╁        | ╫       | +-      | + | $\dashv$ | $\dashv$ | $\dashv$        |     |            |          | 53       | ┨                  | $\dashv$      | -        | $\dashv$ | $\dashv$ | -        | ┥        | ┿            |          | - }               |       | 103      | $\dashv$ |          | $\dashv$ | -          | -        | $\dashv$        | -        | $\dashv$ | $\dashv$ |
|           |          | $\mapsto$      | ├            | ╢        | +-      | +-      | + | -        |          | -               |     |            |          |          | $\vdash \vdash$    | $\rightarrow$ | -        | $\dashv$ | -        |          | $\dashv$ | -+           |          |                   |       | 103      | -        |          | _        | -          |          | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |
|           | 4        | Н              | ┝            | ╄        | ┿       | +       | + | $\dashv$ | $\dashv$ | $\dashv$        |     |            |          | 54       | $\vdash$           | -             | $\dashv$ | $\dashv$ |          | -        | -        | <del>-</del> | $\dashv$ |                   |       | 105      |          | $\dashv$ | _        |            | -        | $\dashv$        | $\dashv$ | $\dashv$ | _        |
|           | 5        | $\vdash$       | <del> </del> | ╄        | +       | +       | + | $\dashv$ |          |                 |     |            |          | 55       | $\vdash$           | $\dashv$      | -        | +        | $\dashv$ | -        | $\dashv$ | $\dashv$     | _        |                   |       |          | -        |          |          | -          | -        | $\dashv$        |          | -+       | _        |
|           | 6        | Н              | -            | ╀        | +       | +       | + | -        |          |                 |     |            |          | 56       | $\vdash$           | $\dashv$      |          |          |          | -        | -        | -            |          | ٠.                |       | 106      |          |          |          | _          |          |                 | $\dashv$ | $\dashv$ |          |
|           | 7        |                | ├            | ╀        | +       | +       | + | -        | $\dashv$ | $\dashv$        |     |            |          | 57       |                    |               | $\dashv$ | -        |          | -        | -        |              | _        |                   |       | 107      |          | $\dashv$ |          |            | -        | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |
| <b></b> _ | 8        | Н              | -            | ╄        | +       | +       | + | $\dashv$ | -        | Н               |     |            |          | 58       | Ш                  | -             | -        | -        | -        | -        | -+       |              |          | ļ                 |       | 108      |          | $\dashv$ |          |            | -        | $\dashv$        | -        | $\dashv$ | _        |
|           | 9        | $\dashv$       | -            | ╄        | +       | +       | + | $\dashv$ | $\dashv$ | $\dashv$        |     |            |          | 59       | $\vdash$           | -             | $\dashv$ | _        |          | -        | -        | -+           | $\dashv$ |                   |       | 109      | $\dashv$ | -        | _        |            | -        | -               | -        | $\dashv$ | -        |
|           | 10       | 14             | ├_           | ╀        | +       | +       | + | -+       |          |                 | _   | - 1        |          | 60       | $\vdash$           | $\dashv$      |          | -        |          | -        | $\dashv$ | $\dashv$     | _        |                   |       | 110      | $\dashv$ | $\dashv$ |          |            |          | -               | -        | -        | $\dashv$ |
|           | 11       | 4              | <del> </del> | ╄        | +       | +       | + | $\dashv$ | 4        | dash            |     |            |          | 61       | $\vdash \vdash$    |               | -        | -        |          | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | - }               |       | 111      |          |          |          |            |          |                 | -        | $\dashv$ |          |
|           | 12       | #              | $\vdash$     | ╀        | +       | +       | + | +        | _        | $\vdash \vdash$ |     |            |          | 62       | $\left  - \right $ | $\dashv$      | -        | -        |          | $\dashv$ | $\dashv$ | $\dashv$     | 4        | .                 |       | 112      |          | -        |          |            | -        |                 | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>  | 13       | #              | ├            | +        | +       | +       | + | $\dashv$ | _        | $\vdash \vdash$ |     |            |          | 63       | Н                  |               |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ |                   |       | 113      |          |          |          |            | -        |                 | -        | $\dashv$ | 긕        |
|           | 14       | <del>  -</del> | ├            | ╀        | ╀       | +       | + | $\dashv$ |          | $\vdash$        |     |            | -        | 64       | $\vdash$           | -             | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     |          |                   |       | 114      |          |          |          |            | -        | $\dashv$        | -        | $\dashv$ | $\dashv$ |
| <u> </u>  | 15       | #              | $\vdash$     | ╀        | +       | +       | + | $\dashv$ | 4        | $\sqcup$        |     |            |          | 65       | -                  |               |          |          |          | _        |          | -            | $\dashv$ |                   |       | 115      |          | -        |          | $\vdash$   | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |
|           | 16       | Н              | ⊬            | ╄        | ╄       | +       | + | +        | $\dashv$ |                 |     |            |          | 66       | Н                  | -             | -        | -        |          | -        | -+       | -            |          |                   |       | 116      | $\dashv$ | $\dashv$ |          |            | -        |                 |          | -        | $\dashv$ |
|           | 17       | Н              | ┡            | ╀        | +       | +       | + |          | _        |                 |     |            |          | 67       | Н                  | _             | -        | -        | $\dashv$ | -        |          |              |          |                   |       | 117      |          |          |          |            |          | _               |          | -        | $\dashv$ |
|           | 18       | Н              | ⊢            | ╀        | +       | +       | + | $\dashv$ | $\dashv$ |                 |     |            |          | 68       | Н                  | _             | $\dashv$ | _        | _        | -        |          | _            | _        |                   |       | 118      | -        | _        | _        | _          | $\dashv$ | -               |          | -        | $\dashv$ |
|           | 19       | Ц              | <u> </u>     | -        | +       | +       | + | 4        | _        |                 |     |            |          | 69       | Н                  | _             |          | _        | _        | -        | }        | $\dashv$     | _        |                   |       | 119      | $\dashv$ |          |          | _          |          | $\dashv$        | $\dashv$ | 4        | ᅴ        |
|           | 20       | 1              | ├_           | ╄        | +       | +-      | + | -        | $\dashv$ | $\vdash$        |     |            |          | 70       | $\vdash$           |               |          | -        | _        |          | -+       | -            |          | 3                 |       | 120      | $\dashv$ | _        |          |            |          |                 |          | -        | $\dashv$ |
|           | 21       | Н              | <u> </u>     | ╀        | +       | +       | + | $\dashv$ |          |                 |     |            |          | 71       | Н                  | _             | _        | _        | -        | $\dashv$ |          | _            | ႕        |                   | _     | 121      |          | _        |          |            | $\dashv$ | -               |          | -        | $\dashv$ |
|           | 22       | Ц              | <u> </u>     | ┞        | ╀       | +       | + | 4        |          |                 |     | . 1        |          | 72       |                    | _             | <b></b>  | -        |          | -        | -        | -            | _        |                   |       | 122      |          | -        |          |            | $\dashv$ | -               | $\dashv$ | -        |          |
|           | 23       | $\sqcup$       | ├_           | 1        | +       | +       | + | 4        |          |                 |     |            |          | 73       | $\square$          |               |          | _        | _        | -        | _+       | -+           |          |                   |       | 123      |          | _        |          | _          |          | $\Box$          | _        | _        | $\dashv$ |
|           | 24       | 1              | <u> </u>     | _        | 4-      | 4-      | 4 | 4        | _        |                 | _   |            |          | 74       | $\square$          | _             | _        | _        | _        | _        | _        |              |          |                   |       | 124      |          |          |          |            | -        |                 | -        | $\dashv$ | $\dashv$ |
|           | 25       | Ц              | _            | 1        | 4       | $\bot$  | 4 |          |          |                 |     |            |          | 75       | Ш                  |               | _        | _        | _        | _        | _        | 4            | _        |                   |       | 125      | _        | _        |          |            | $\dashv$ | $\dashv$        | -        | _        | _        |
|           | 26       | Ц              | _            | L        | $\perp$ | $\perp$ | 4 | 4        |          |                 |     |            |          | 76       |                    |               |          | _        |          | _        |          | 4            | _        | 132               |       | 126      | _        |          |          |            | _        |                 | _        | _        | $\dashv$ |
|           | 27       | 1              | _            | ┡        | ╀       | $\perp$ | + |          |          |                 |     |            |          | 77       | Ш                  |               |          | -        | _        |          |          | $\dashv$     | _        | ņi.               |       | 127      |          |          | _        |            | -        |                 |          | -        | $\dashv$ |
|           | 28       | Ц              | _            | ╄        | $\bot$  | 1       | 4 | $\dashv$ |          |                 |     |            |          | 78       | Ш                  | _             | _        | _        | _        | _        | _        | _            | _        | 4.5               |       | 128      | $\dashv$ |          |          |            |          |                 |          | -        | ᅴ        |
|           | 29       | Н              | ├            | ╀        | ╄       | 4       | + | 4        |          | Н               |     |            |          | 79       |                    |               |          | _        | $\dashv$ | _        |          | _            | 긕        | 3                 |       | 129      | $\dashv$ |          |          |            |          | _               |          |          | ᅴ        |
|           | 30       | H              | L            | ╀        | +       | +       | - | $\dashv$ |          |                 |     |            |          | 80       | -                  | -             | _        | _        |          | -        | -+       | -            | 4        |                   |       | 130      | _        |          |          | _          | _        | -               | _        | $\dashv$ | $\dashv$ |
|           | 31       | 4              | <u> </u>     | ╄        | ╄       | +       | + | 4        |          |                 |     |            |          | 81       | $\sqcup$           | _             | _        | _        |          |          | _        | 4            | ႕        | м.                |       | 131      |          |          |          |            | -        | $\Box$          | _        | $\dashv$ | ᅴ        |
| <u> </u>  | 32       | 1              | <u> </u>     | ╀        | +       | 4       | + | 4        | _        |                 |     |            |          | 82       | $\sqcup$           | $\dashv$      | _        | _        |          | _        | _        | 4            | ႕        |                   |       | 132      |          |          |          |            |          |                 | _        | $\dashv$ | _        |
| <u> </u>  | 33       | 1              | <del> </del> | ╀-       | +       | +       | + | 4        | _        | Ш               |     | i di<br>Di |          | 83       | $\sqcup$           |               | _        | _        | _        | _        | 4        | $\dashv$     | ᆜ        | ÷                 |       | 133      |          | _        |          |            |          | Ш               | _        | -        |          |
|           | 34       | 1              | -            | ╀        | +       | +       | 4 | -        |          | $\vdash$        |     | 2          |          | 84       | $\vdash$           |               |          | _        | $\dashv$ |          |          |              | ᅴ        | . "               |       | 134      | $\Box$   |          |          |            | $\dashv$ | $\vdash$        |          | $\dashv$ | $\dashv$ |
| <u> </u>  | 35       | 1              | ₩            | 1        | 4-      | 4       | + | -        |          |                 |     | ·          |          | 85       |                    | $\dashv$      |          |          | -        | -+       |          |              | $\dashv$ |                   |       | 135      | $\dashv$ |          | _        | <b> </b>   | $\vdash$ | $\vdash \dashv$ | _        | $\dashv$ | $\dashv$ |
| <u> </u>  | 36       | μ.             | <del> </del> | +        | +       | +       | + | -        |          | $\vdash$        |     |            |          | 86       | -                  | -             |          | $\dashv$ |          |          |          | $\dashv$     | 닉        | ,                 |       | 136      |          |          | _        | -          | $\vdash$ | $\vdash$        | $\dashv$ | -        | $\dashv$ |
|           | 37       | +              | $\vdash$     | ┡        | $\perp$ | +       | 4 | -        |          | <b> </b>        |     | .          | Ļ        | 87       | $\vdash$           |               |          |          | $\dashv$ | -        | -        | -+           | -        | ' . <del></del> . | -     | 137      |          | _        |          |            | -        | $\vdash$        |          | $\dashv$ | $\dashv$ |
|           | 38       | -              | -            | 1        | +       | +-      | + | -        |          |                 | _   |            |          | 88       | ╁╌┤                | $\dashv$      |          |          | -        |          | -        | $\dashv$     | $\dashv$ |                   |       | 138      |          |          | -        | <b>-</b> - | -        | Н               | -        | $\dashv$ | $\dashv$ |
| <u> </u>  | 39       |                | ├-           | +-       | +       | +       | + | -        | -        |                 | _   |            | <b>-</b> | 89       | $\vdash$           |               |          |          |          | _        | -        | $\dashv$     | ᅴ        |                   |       | 139      | -        |          |          | -          | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>  | 40       | $\vdash$       | $\vdash$     | -        | ╀       |         | + |          | _        | Ш               |     |            |          | 90       | $\vdash$           |               |          |          |          |          | -        | -            | 4        |                   |       | 140      |          | _        |          | $\vdash$   |          | H               |          |          | $\dashv$ |
| <u> </u>  | 41       | H              | ├            | ╀        | ╀       | +       | + | +        |          | $\vdash$        | _   |            |          | 91       | $\vdash$           |               | -        |          | -        | -        | -        | +            | ᅴ        | -                 |       | 141      | -        | $\dashv$ |          | -          | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>  | 42       | $\vdash$       | ₩            | 1        | +       | +       | + | -        |          |                 |     | 41.5       |          | 92       | $\vdash$           | $\dashv$      | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ | -+           | 4        |                   |       | 142      | -        |          | _        | $\vdash$   | -        | Н               | -        |          |          |
|           | 43       | _              | -            | 1        | ╀       | +       | + | +        | _        | Н               |     |            |          | 93       |                    |               |          |          |          | -        | $\dashv$ | -            | -        | а,                |       | 143      | _        | -        | _        | <u> </u>   |          |                 |          | $\dashv$ | $\dashv$ |
| <u> </u>  | 44       | <u> </u>       | ⊢            | ╄        | +-      | +       | + | +        | _        | Н               |     | × .        |          | 94       | $\vdash$           | $\dashv$      |          |          | $\dashv$ |          |          | $\dashv$     | $\dashv$ |                   |       | 144      |          |          |          |            | -        | $\vdash$        | -        | -        | $\dashv$ |
|           | 45       | $\vdash$       | -            | ╀        | +       | +       | + | +        | 4        | $\vdash \vdash$ | _   | -          |          | 95       | $\vdash$           | $\dashv$      |          |          |          | -        | $\dashv$ | $\dashv$     | $\dashv$ |                   |       | 145      |          | $\dashv$ |          | H          | $\dashv$ | $\dashv$        |          |          | $\dashv$ |
| <u> </u>  | 46       | <u> </u>       |              | ┼-       | +       | +       | + | -        | _        | Ш               |     | -          |          | 96       | $\vdash$           | $\dashv$      |          |          |          | $\dashv$ | -        | -            | _        |                   |       | 146      |          | -        |          | <u> </u>   |          | $\vdash$        |          |          | $\dashv$ |
| <u> </u>  | 47       | <u> </u>       |              | ╄        | +       | +       | 4 |          |          | Ш               |     |            |          | 97       | $\vdash \vdash$    | $\dashv$      |          | _        | $\dashv$ |          |          |              | 4        |                   |       | 147      | $\Box$   | $\dashv$ | _        | $\vdash$   | -        | $\vdash$        |          |          | $\dashv$ |
| <u> </u>  | 48       | <u> </u>       | ├-           | $\vdash$ | +       | +       | + | 4        | _        |                 |     |            |          | 98       | $\vdash$           | -1            |          |          |          | _        | _        | -            | ᅴ        |                   |       | 148      | $\sqcup$ |          |          | <u> </u>   | -        |                 |          | $\dashv$ | $\dashv$ |
| <u> </u>  | 49       | $\vdash$       | <del> </del> | ╀        | +       | +       | 4 | 4        | _        | Ш               |     |            |          | 99       | Ш                  | $\dashv$      | _        | _        |          | _        | _        |              |          | ı                 |       | 149      | Ш        | Щ        |          | $\vdash$   |          | Ш               |          |          | $\dashv$ |
|           | 50       | <u> </u>       | 1            |          |         | $\perp$ |   |          |          | L               |     | ı          |          | 100      | Ш                  |               | _ 1      |          |          |          | -1       |              |          |                   |       | 150      |          |          |          | L_         |          | L               | 1        |          |          |